

FIG.1A

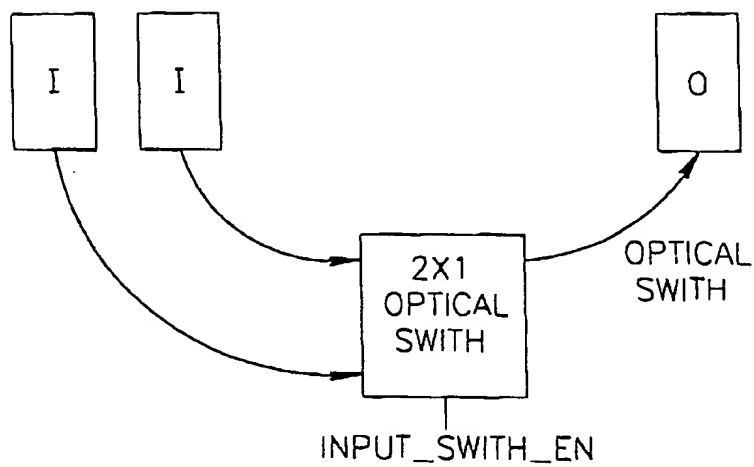


FIG.1B

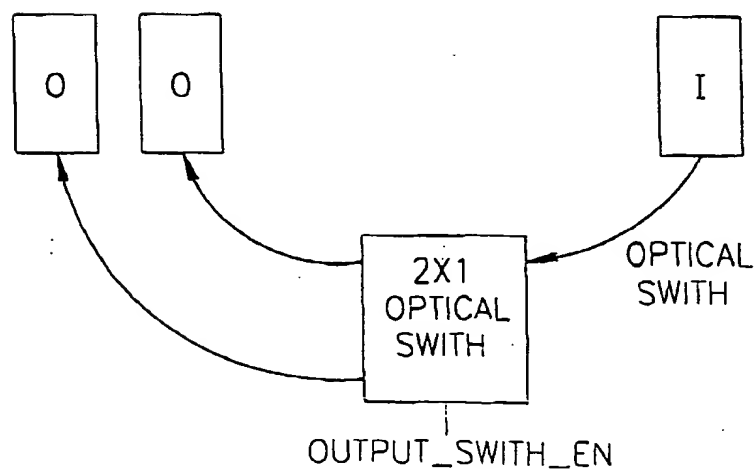


FIG.1C

```

graph TD
    300([START]) --> 310[LINK IN OPERATION  
PROTECTION SWITCHES  
IN NORMAL POSITION]
    310 --> 320{RECEIVE LOS  
SIGNAL?}
    320 -- NO --> 310
    320 -- YES --> 330[SUPPLY SWITCH_EN SIGNALS TO BOTH OPTICAL  
SWITCHES  
IGNORE LOS SIGNALS FOR 10 MSEC]
    330 --> 340[BOTH INPUT AND  
OUTPUT ARE IN  
PROTECTION MODE]
    340 --> 350{RECEIVE LOS  
SIGNAL AT FAR END?}
    350 -- NO --> 340
    350 -- YES --> 360[SUPPLY SWITCH_EN SIGNALS TO BOTH OPTICAL  
SWITCHES  
IGNORE LOS SIGNALS FOR 10 MSEC]
    360 --> 370[BOTH TERMINALS ARE IN PROTECTION MODE  
ALL TRAFFIC FLOWING ON PROTECTION FIBERS]
  
```

FIG.2

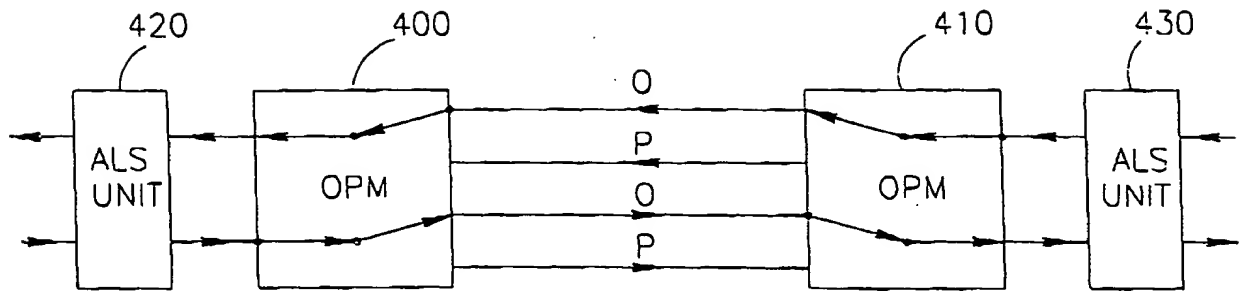


FIG. 3A

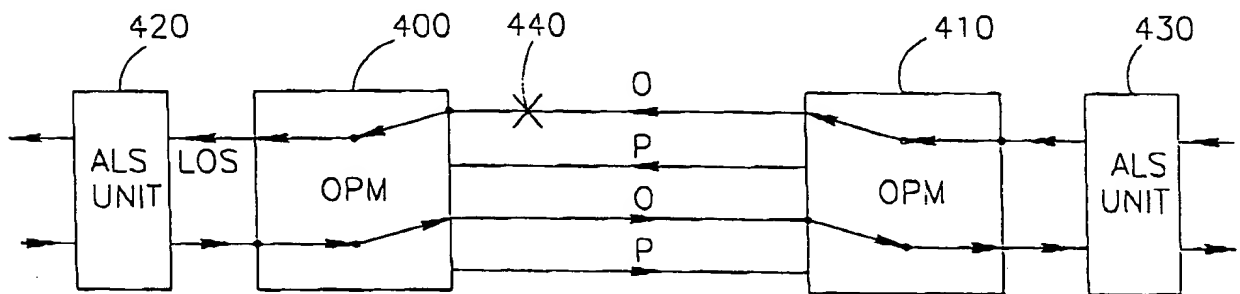


FIG. 3B

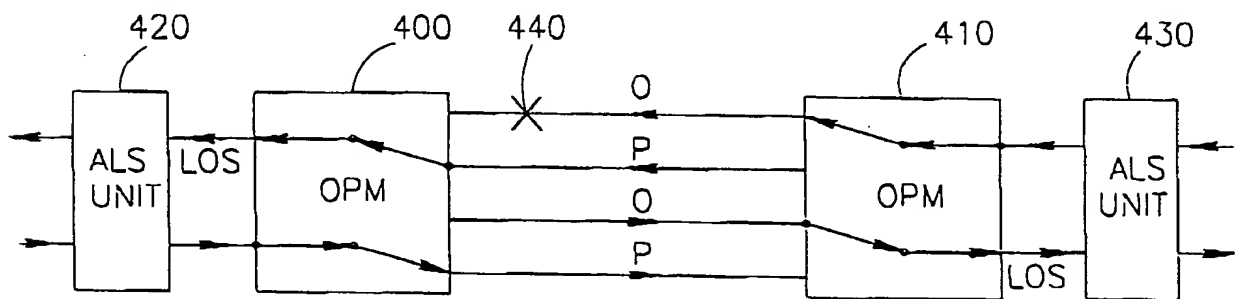


FIG. 3C

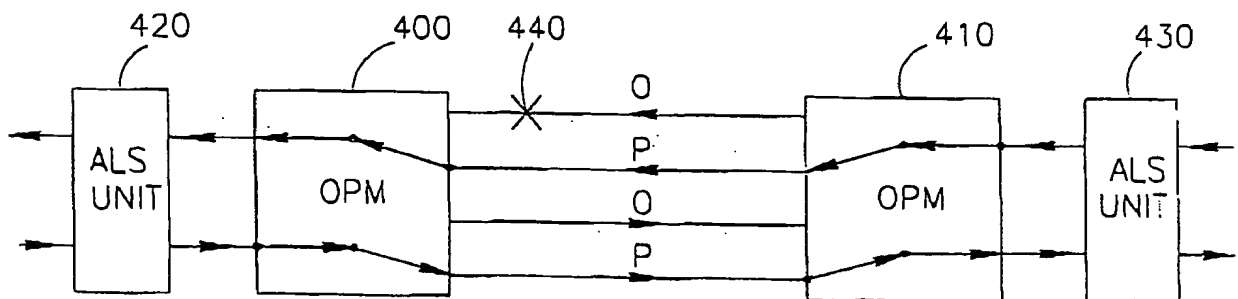


FIG. 3D

000120:22800500

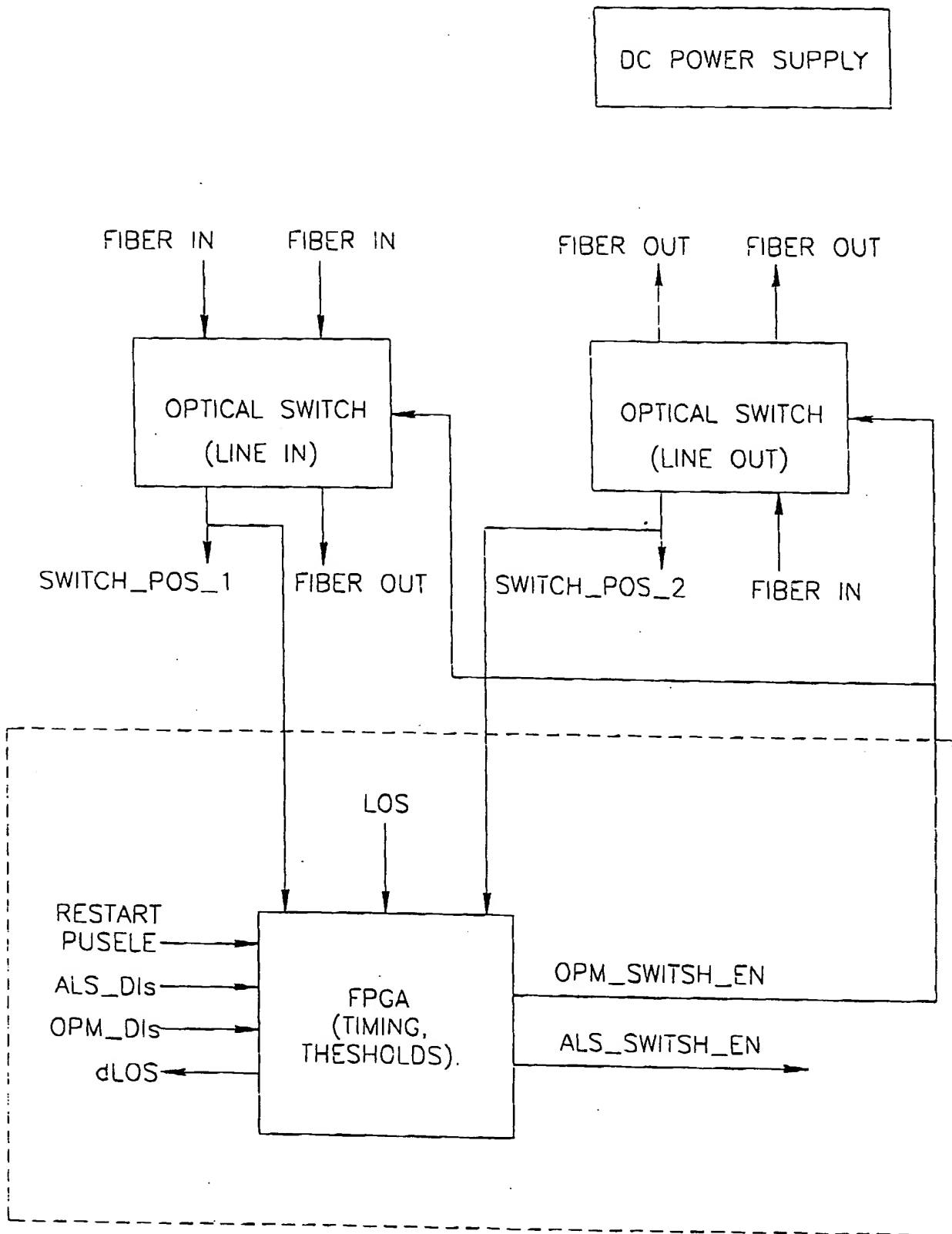


FIG.4

000720" E2800560

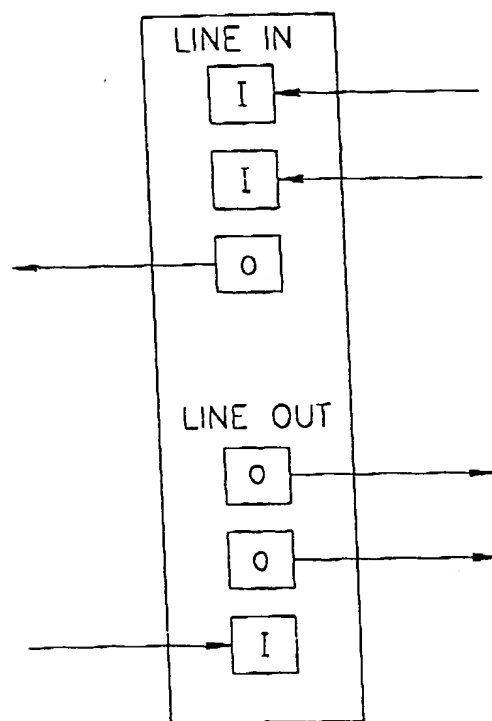


FIG.5A

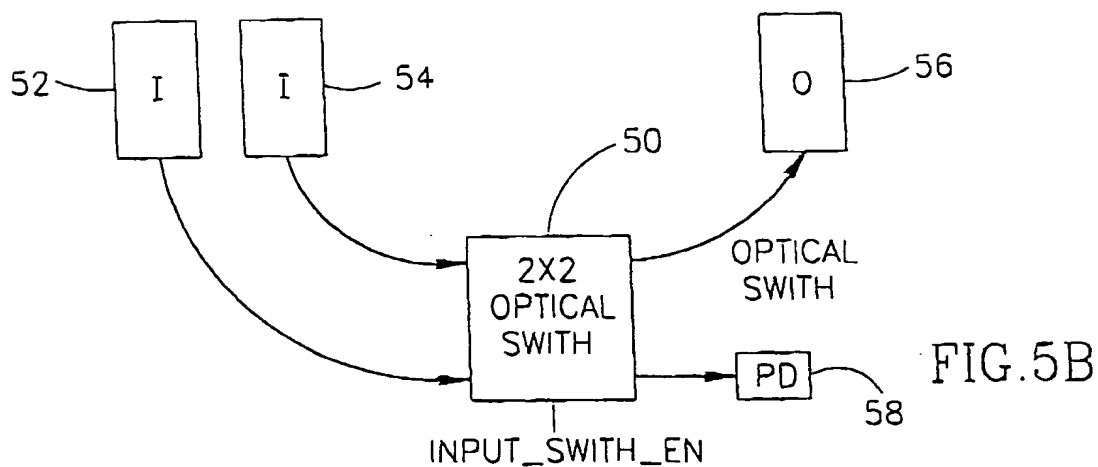


FIG.5B

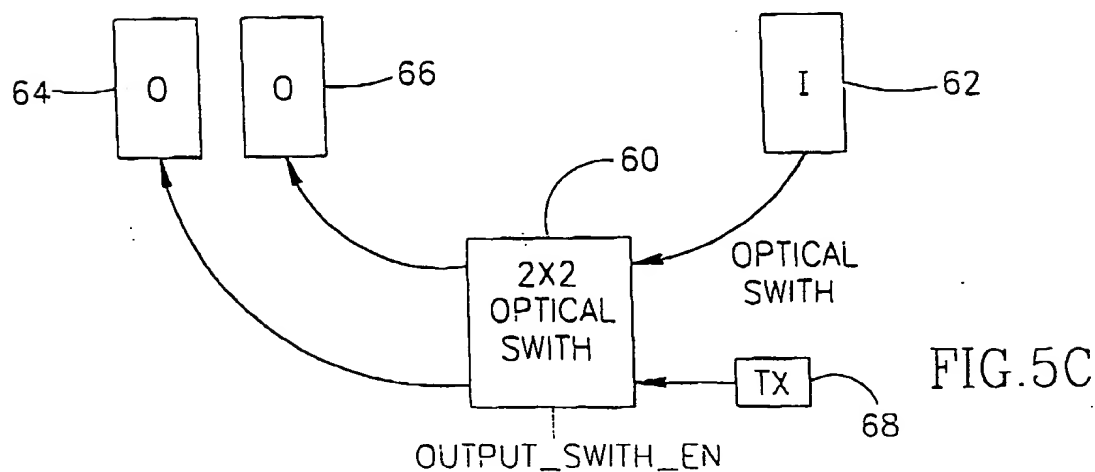


FIG.5C

300

-310

-320

330

-340

-350

-360

-370

-380

-390

FIG.6